

**REMARKS**

Claims 1-6 are all the claims pending in the present application. Claim 2 is rejected under 35 U.S.C. § 102(b) as allegedly being anticipated by Fisher (U.S. Patent No. 4,931,805). Claims 1 and 3-5 are rejected under 35 U.S.C. § 103(a) as allegedly being unpatentable over Fisher in view of Baratono (U.S. Patent No. 6,549,793). Claim 6 is rejected under 35 U.S.C. § 103(a) as allegedly being unpatentable over Fisher in view of Baratono and further in view of Wunderlich (U.S. Patent No. 4,391,806).

**§ 102(b) Rejections (Fisher) – Claim 2**

Claim 2 is rejected based on the reasons set forth on page 2 of the Office Action.

Applicant submits that the present invention, as recited in claim 2, is directed to a dedicated short-range communications (DSRC) on-board unit. DSRC is a specific technology area that can be related to a short to medium range wireless protocol specifically designed for automotive use. There is no mention of DSRC anywhere in Fisher.

At least based on the foregoing, Applicant submits that Fisher does not anticipate claim 2.

**§ 103(a) Rejections (Fisher / Baratono) – Claims 1 and 3-5**

Claims 1 and 3-5 are rejected based on the reason set forth on pages 3-5 of the Office Action.

With respect to claim 1, Applicant submits that this claim is patentable at least based on reasons similar to those set forth above with respect to claim 2. Baratono does not make up for the deficiencies of Fisher.

Applicant submits that dependent claims 3-5 are patentable at least by virtue of their dependencies from independent claim 1.

§ 103(a) Rejection (Fisher / Baratono / Wunderlich) – Claim 6

Claim 6 is rejected based on the reason set forth on page 5 of the Office Action.

First, Applicant submits that dependent claim 6 is patentable at least by virtue of its dependency from independent claim 1. Wunderlich does not make up for the deficiencies of the other applied references.

Further, Applicant submits, contrary to the Examiner's assertions, that Wunderlich does not disclose or suggest at least that, "antenna characteristics are matched by adjusting a shape of said antenna." Wunderlich only discloses varying an extension of a radiating element to affect antenna efficiency, however Wunderlich does not discuss adjusting a shape of an antenna.

At least based on the foregoing, Applicant submits that none of the applied references, either alone or in combinations, renders claim 6 unpatentable.

Finally, Applicant adds new claims 7 and 8, as indicated herein, to provide a varying scope of coverage. Applicant submits that these new claims are patentable at least by virtue of their respective dependencies from independent claims 1 and 2.

In view of the above, reconsideration and allowance of this application are now believed to be in order, and such actions are hereby solicited. If any points remain in issue which the Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly requested to contact the undersigned at the telephone number listed below.

**AMENDMENT UNDER 37 C.F.R. § 1.111**  
**U. S. Application No. 10/679,323**

**ATTORNEY DOCKET NO. Q77822**

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

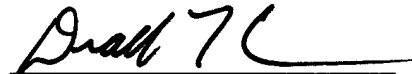
Respectfully submitted,

SUGHRUE MION, PLLC  
Telephone: (202) 293-7060  
Facsimile: (202) 293-7860

WASHINGTON OFFICE

**23373**

CUSTOMER NUMBER



Diallo T. Crenshaw  
Registration No. 52,778

Date: July 5, 2006